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(54) Title: HUMAN ALKALINE SPHINGOMYELINASE AND USE THEREOF

(57) Abstract: An isolated human alkaline sphingomyelinase (Alk-Smase) or a variant thereof, capable of hydrolysing sphingomyelin, and DNA sequence encoding said Alk-Smase. Further described are methods for isolating human Alk-Smase and for preparing human recombinant Alk-Smase and use of the enzyme for the preparation of a composition for the treatment of colon cancer.